

Microscope-on-chip using micro-channel and solid state image sensors

Recently, Jet Propulsion Laboratory has developed a miniature optical microscope, microscope-on-chip using micro-channel and solid state image sensors. This instrument has no image lens, does not need focus adjustment, and can have a total mass less than 100g. Details of this instrument will be discussed.

Keywords: microscope, micro-channel, image sensor, optical microscope.